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FIG. 1

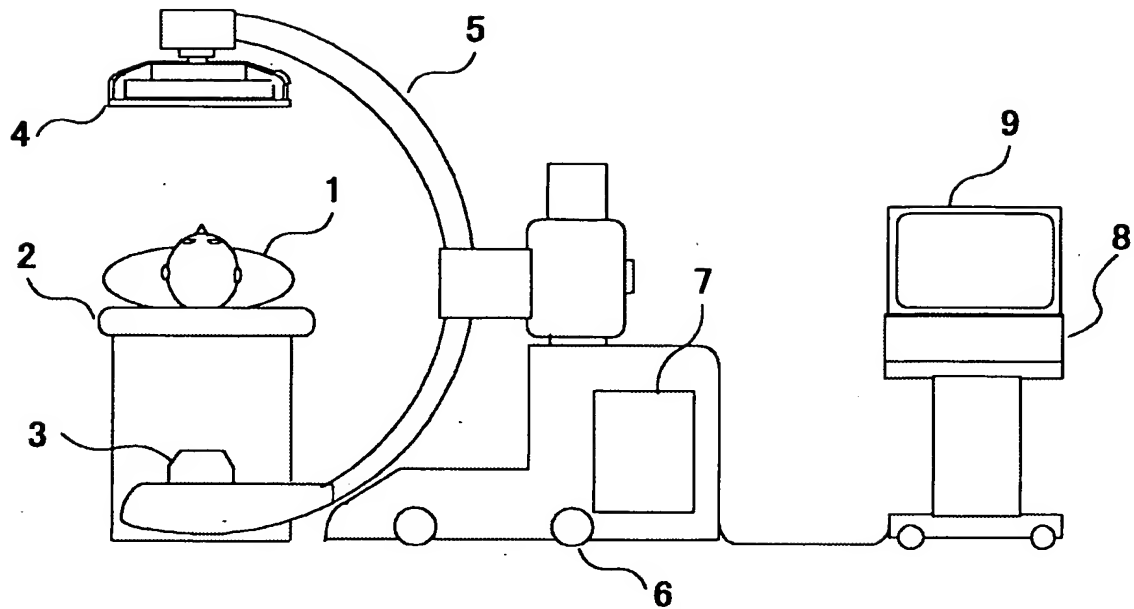


FIG. 2

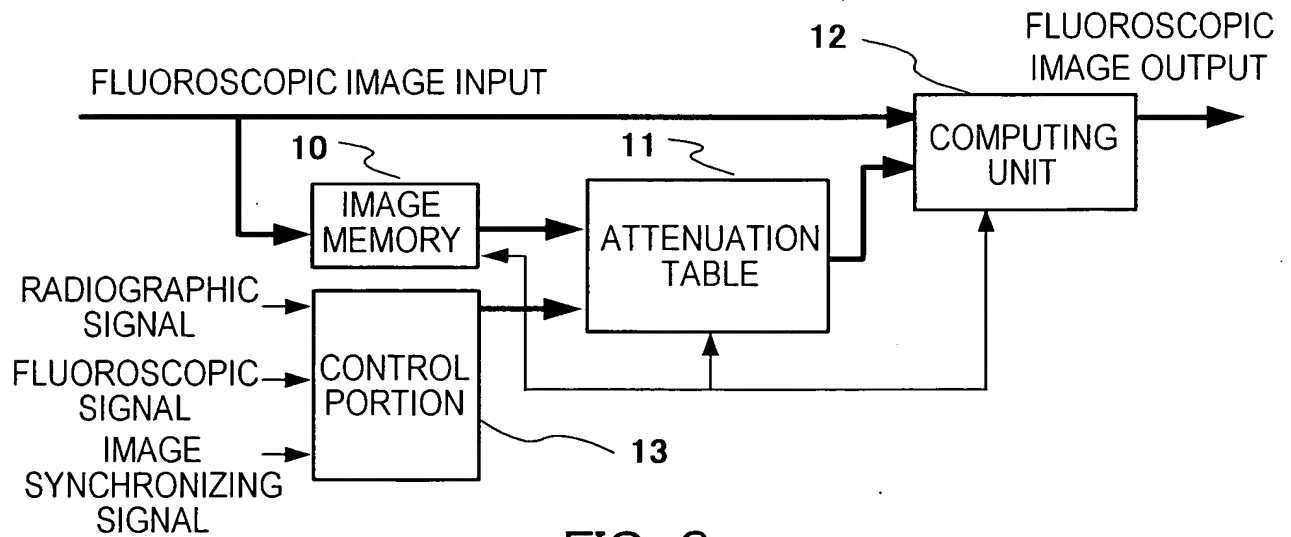


FIG. 3

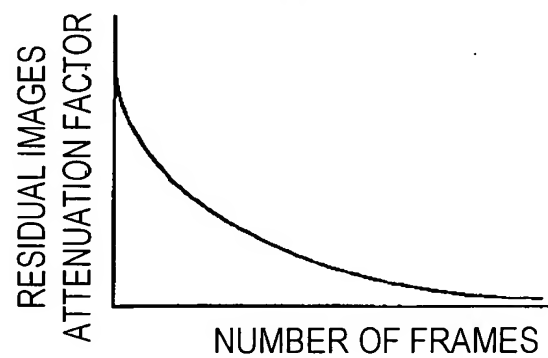


FIG. 4

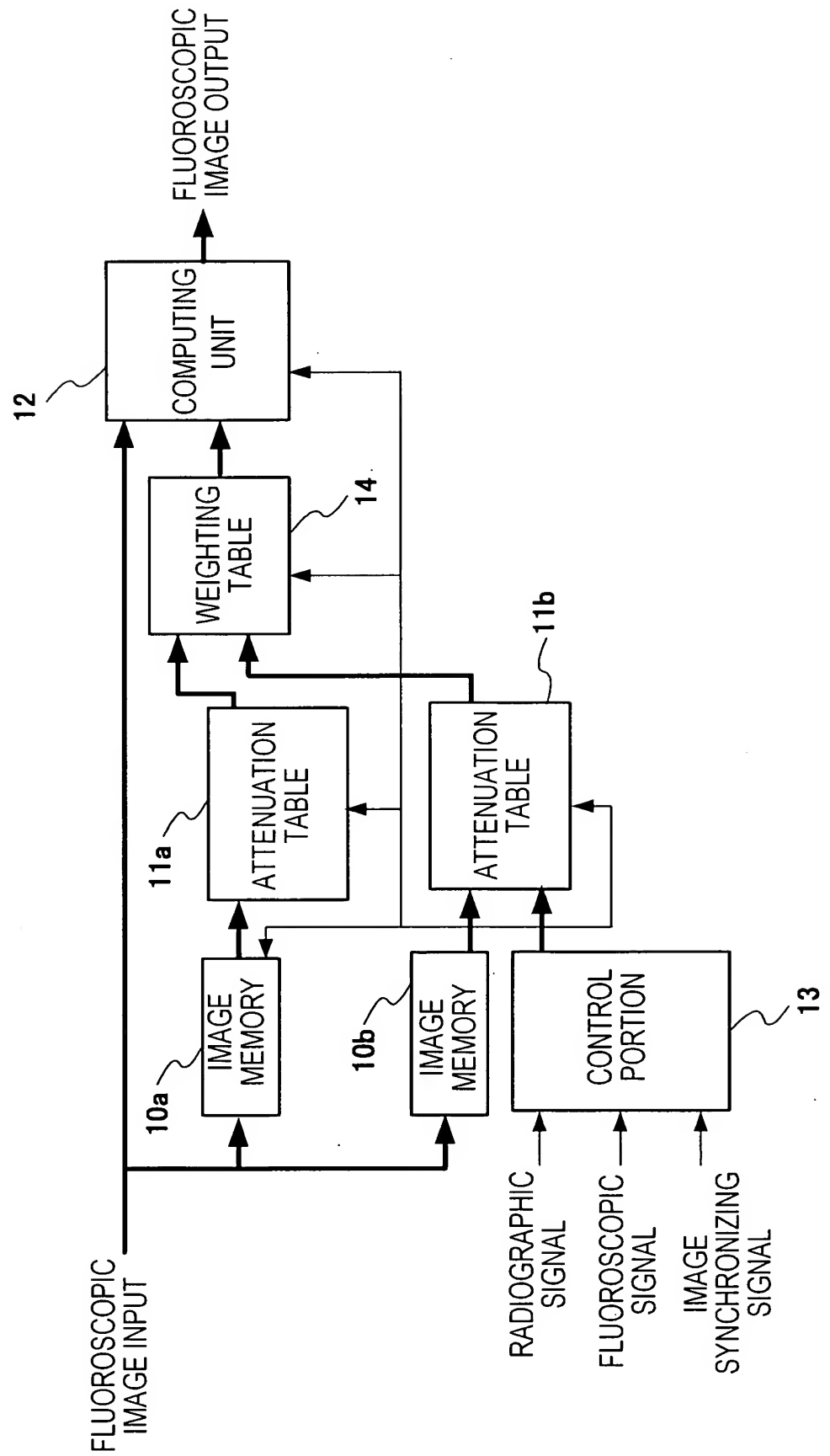


FIG. 5

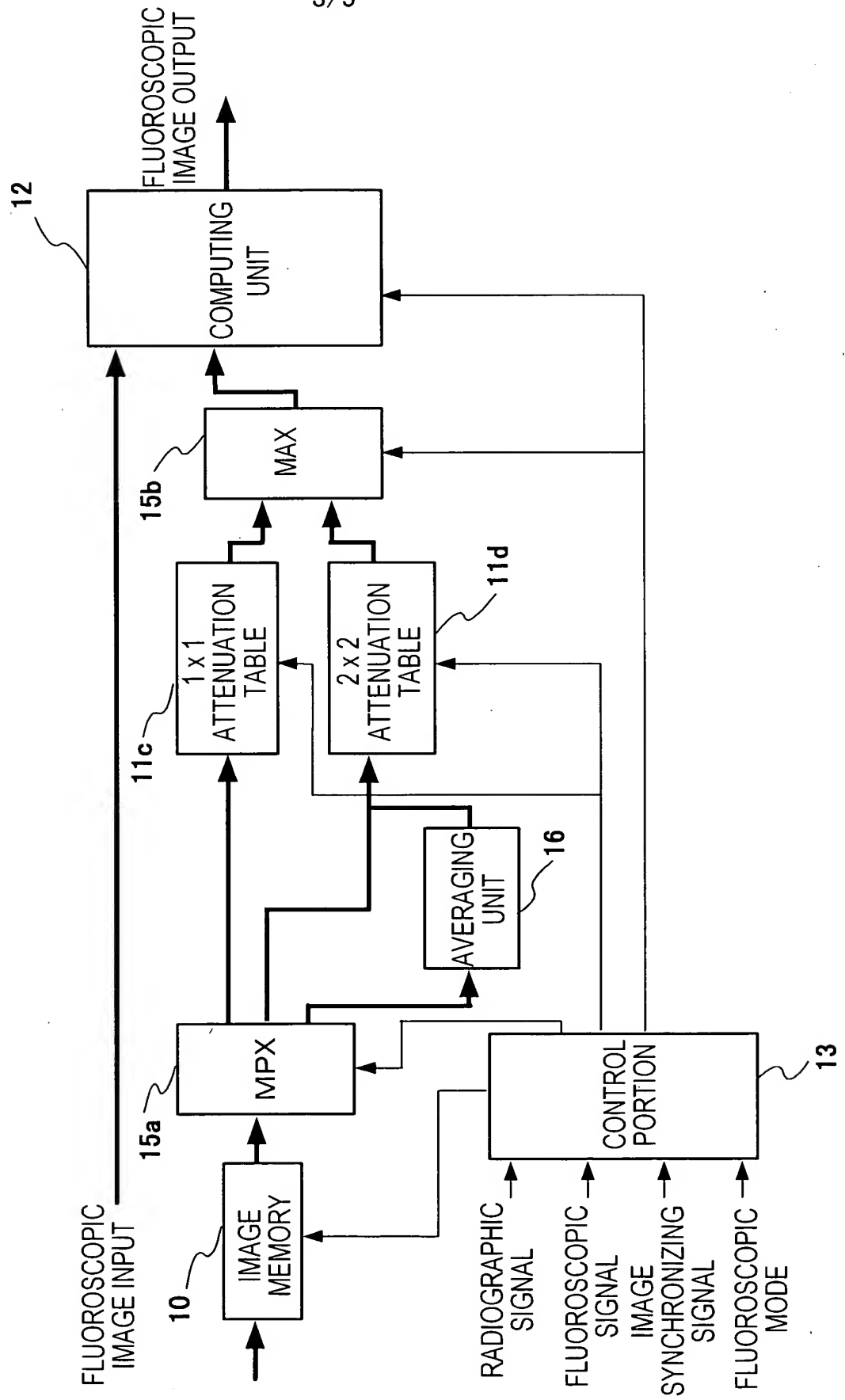
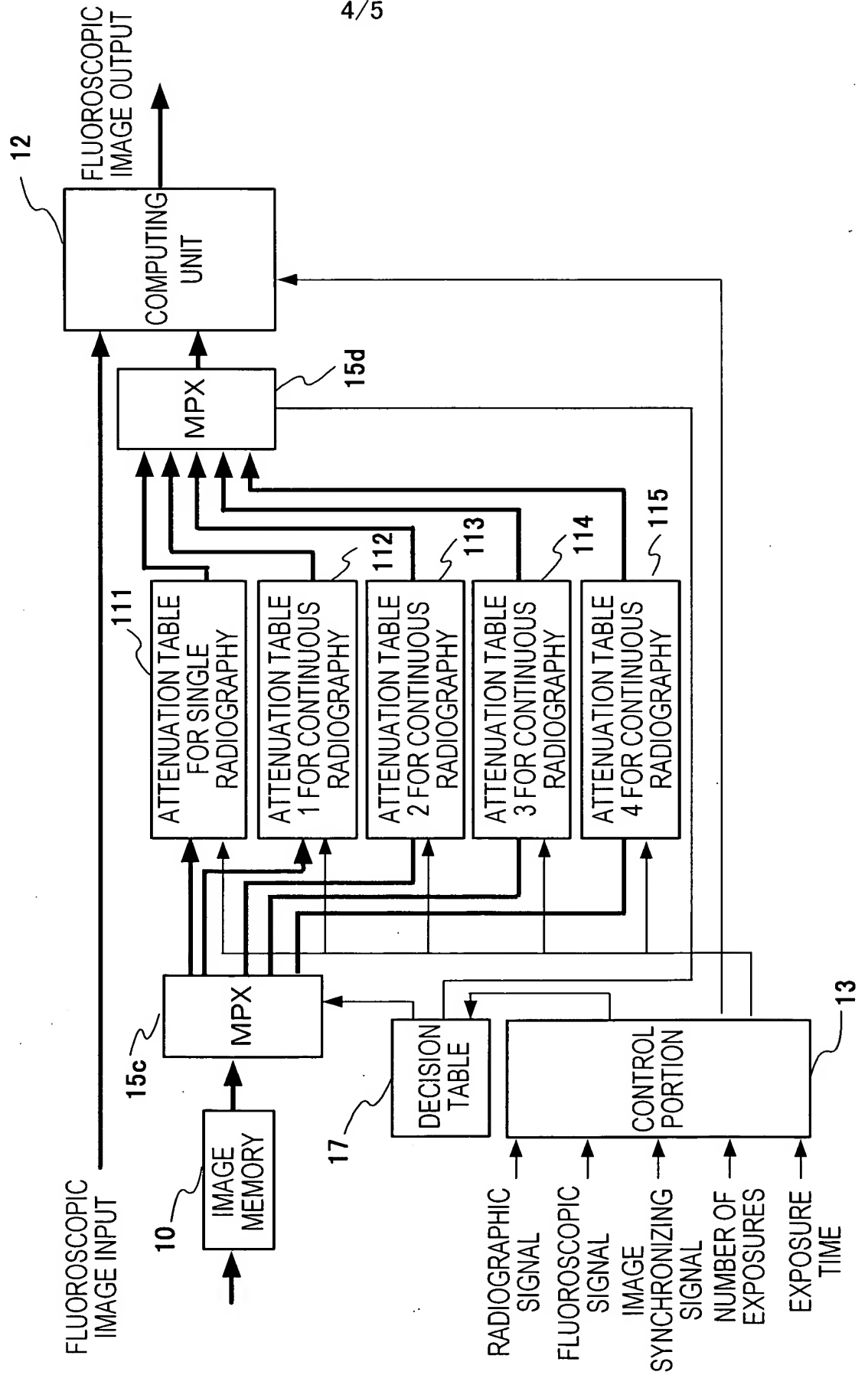


FIG. 6



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FIG. 7A

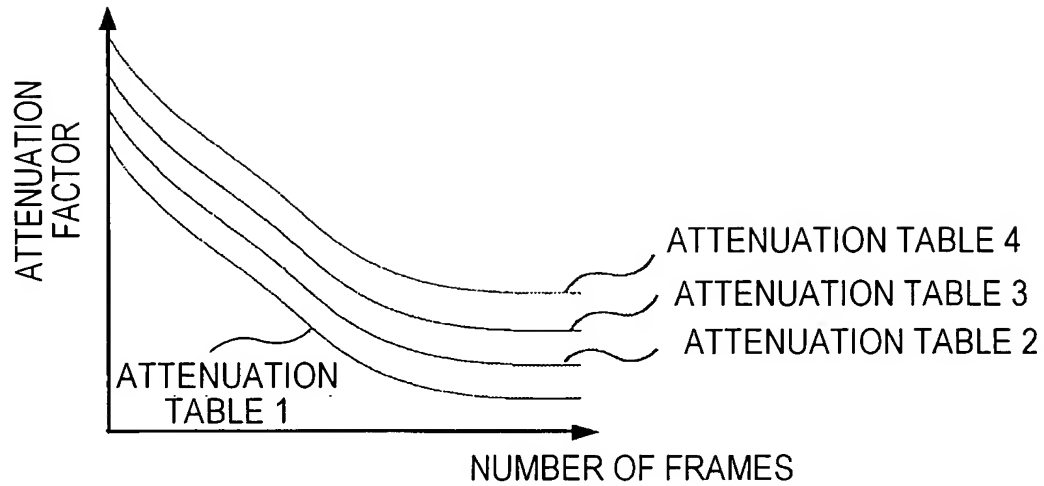


FIG. 7B

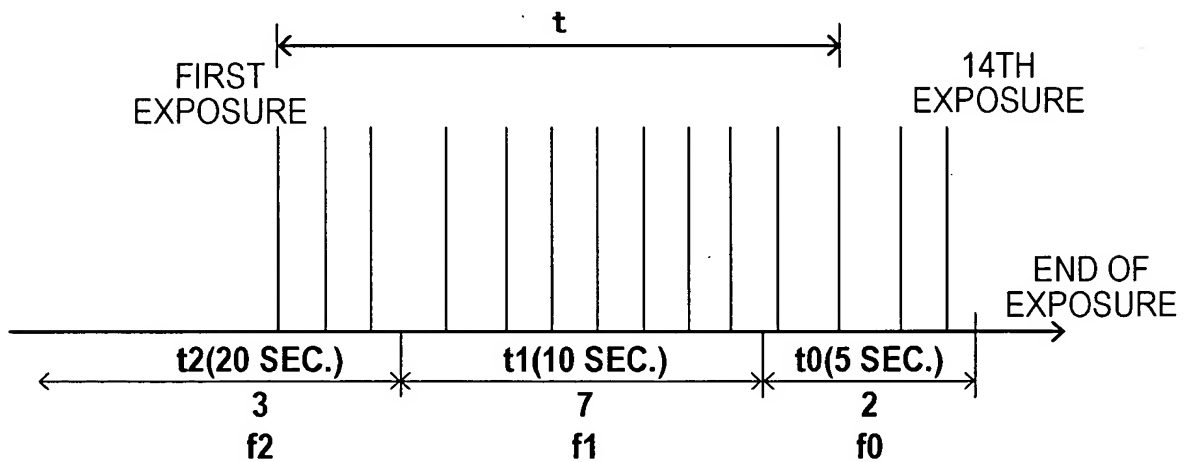


FIG. 7C

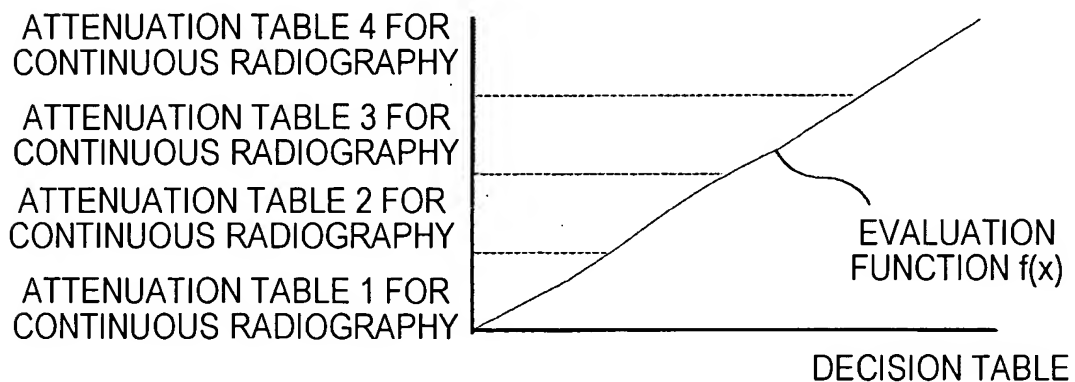


FIG. 2

- 1: FLUOROSCOPIC IMAGE INPUT
- 2: FLUOROSCOPIC IMAGE OUTPUT
- 3: RADIOGRAPHIC SIGNAL
- 4: FLUOROSCOPIC SIGNAL
- 5: IMAGE SYNCHRONIZING SIGNAL
- 10: IMAGE MEMORY
- 11: ATTENUATION TABLE
- 12: COMPUTING UNIT
- 13: CONTROL PORTION

FIG. 3

- 1: RESIDUAL IMAGES ATTENUATION FACTOR
- 2: NUMBER OF FRAMES

FIG. 4

- 1: FLUOROSCOPIC IMAGE INPUT
- 2: FLUOROSCOPIC IMAGE OUTPUT
- 3: RADIOGRAPHIC SIGNAL
- 4: FLUOROSCOPIC SIGNAL
- 5: IMAGE SYNCHRONIZING SIGNAL
- 10a & 10b: IMAGE MEMORY
- 11a & 11b: ATTENUATION TABLE
- 12: COMPUTING UNIT
- 13: CONTROL PORTION

14: WEIGHTING TABLE

FIG. 5

1: FLUOROSCOPIC IMAGE INPUT
2: FLUOROSCOPIC IMAGE OUTPUT
3: RADIOGRAPHIC SIGNAL
4: FLUOROSCOPIC SIGNAL
5: IMAGE SYNCHRONIZING SIGNAL
6: FLUOROSCOPIC MODE
10: IMAGE MEMORY
11c: 1 × 1 ATTENUATION TABLE
11d: 2 × 2 ATTENUATION TABLE
12: COMPUTING UNIT
13: CONTROL PORTION
16: AVERAGING UNIT

FIG. 6

1: FLUOROSCOPIC IMAGE INPUT
2: FLUOROSCOPIC IMAGE OUTPUT
3: RADIOGRAPHIC SIGNAL
4: FLUOROSCOPIC SIGNAL
5: IMAGE SYNCHRONIZING SIGNAL
6: NUMBER OF EXPOSURES
7: EXPOSURE TIME
10: IMAGE MEMORY

12: COMPUTING UNIT
13: CONTROL PORTION
17: DECISION TABLE
111: ATTENUATION TABLE FOR SINGLE RADIOGRAPHY
112: ATTENUATION TABLE 1 FOR CONTINUOUS RADIOGRAPHY
113: ATTENUATION TABLE 2 FOR CONTINUOUS RADIOGRAPHY
114: ATTENUATION TABLE 3 FOR CONTINUOUS RADIOGRAPHY
115: ATTENUATION TABLE 4 FOR CONTINUOUS RADIOGRAPHY

FIG. 7A

1: ATTENUATION FACTOR
2: NUMBER OF FRAMES
3: ATTENUATION TABLE 1
4: ATTENUATION TABLE 4
5: ATTENUATION TABLE 3
6: ATTENUATION TABLE 2

FIG. 7B

1: FIRST EXPOSURE
2: 14TH EXPOSURE
3: END OF EXPOSURE
4: 20 SEC.
5: 10 SEC.
6: 5 SEC.
7: 3

8: 7

9: 2

FIG. 7C

1:

1: ATTENUATION TABLE 4 FOR CONTINUOUS RADIOGRAPHY

2: ATTENUATION TABLE 3 FOR CONTINUOUS RADIOGRAPHY

3: ATTENUATION TABLE 2 FOR CONTINUOUS RADIOGRAPHY

4: ATTENUATION TABLE 1 FOR CONTINUOUS RADIOGRAPHY

5: DECISION TABLE

6: EVALUATION FUNCTION $f(x)$